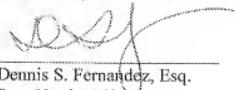


REMARKS

Applicant amends herein independent claims 1, 27 and 28 (and thus those claims dependent respectively thereon) to overcome rejections per 35.USC.112 1st-para of claims 1-12 and 21-28, and 35.USC.103a of claims 1, 10-12, 21, 27 and 28 over Holden and Messier, claims 2-3, 6-9 and 22 over Holden, Messier and Asch, and claim 5 over Holden, Messier and O'Flaherty, particularly by specifying the claimed invention in compliance with the written description requirement, and to distinguish the subject matter as a whole of the invention claimed herein over cited references among other things to specify more particularly unpredictably unobvious limitations, particularly "wherein the processor processes the bioinformatic value automatically using one or more data structure comprising one or more user identifier field and genetic sequence subset, mask, screen or filter field, such that a user reference sequence is processable securely by the processor in an authorized transaction using the genetic sequence subset, mask, screen or filter field to qualify or evaluate one or more participating user, such one or more data structure comprising one or more application-specific transaction control and payload fields, and processed digitally in an representative electronic signal form which is encoded, compressed, transmitted, stored, received and decoded, according to one or more secure signal or data modulation scheme, such one or more data structure further referring to or reference uniquely one or more personally identifiable alphanumeric or text string, electronic signal, or representative digital information that classifies or processes the user bioinformatic value according to volunteered, permitted, or user-authorized mask, screen, filter, or logical criteria for defining, recognizing, identifying, or generating one or more subset or sequence portion of a more complete, reference, or generalized genetic sequence associated with the user or other reference entity, such one or more data structure further comprising a reference sequence, a mask subset, indexing flags and a classification object, such that such one or more data structure serves to mask functionally the bioinformatic value according to user authorization or permit of network transaction activity, whereby automatically selective bioinformatic segment revelation limits disclosure deliberately by the user only

to personal gene sequence locations associated with the transaction evaluation and related personal risk."

Respectfully submitted,



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Date: 7/9/2010

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